PORTAL
DIGITAL LIBRARY

US Patent & Trademark Office

Try the *new* Portal design
Give us your opinion after using it.

Search Results

Search Results for: **[service curve <AND>(meta_published_date <= 01-01-2001)]**
Found **29** of **52 searched out of 129,763.**

Search within Results

[   ] GO   > Advanced Search

> Search Help/Tips

Sort by: Title Publication Publication Date Score 📖 Binder

Results 1 - 20 of 29   **short listing**

◁ Prev Page **1** **2** ▷ Next Page

---

1 A hierarchical fair service curve algorithm for link-sharing, real-time, and priority services   **100%**
Ion Stoica , Hui Zhang , T. S. Eugene Ng
IEEE/ACM Transactions on Networking (TON) April 2000
Volume 8 Issue 2

2 SCED: a generalized scheduling policy for guaranteeing quality-of-service   **100%**
Hanrijanto Sariowan , Rene L. Cruz , George C. Polyzos
IEEE/ACM Transactions on Networking (TON) October 1999
Volume 7 Issue 5

3 Performance bonds for flow control protocols   **100%**
Rajeev Agrawal , Rene L. Cruz , Clayton Okino , Rajendran Rajan
IEEE/ACM Transactions on Networking (TON) June 1999
Volume 7 Issue 3

4 A hierarchical fair service curve algorithm for link-sharing, real-time and priority services   **100%**
Ion Stoica , Hui Zhang , T. S. Eugene Ng
ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '97 conference on Applications, technologies, architectures, and protocols for computer communication October 1997
Volume 27 Issue 4
    In this paper, we study hierarchical resource management models and algorithms

that support both link-sharing and guaranteed real-time services with decoupled delay (priority) and bandwidth allocation. We extend the service curve based QoS model, which defines both delay and bandwidth requirements of a class, to include fairness, which is important for the integration of real-time and hierarchical link-sharing services. The resulting *Fair Service Curve link-sharing* model formalizes the go ...

5 Optimal smoothing for guaranteed service   96%
Jean-Yves Le Boudec , Olivier Verscheure
IEEE/ACM Transactions on Networking (TON) December 2000
Volume 8 Issue 6

6 Supporting best-effort traffic with fair service curve   95%
T. S. Eugene Ng , Donpaul C. Stephens , Ion Stoica , Hui Zhang
ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 1999 ACM SIGMETRICS international conference on Measurement and modeling of computer systems May 1999
Volume 27 Issue 1

7 Adapting packet fair queueing algorithms to wireless networks   95%
Parameswaran Ramanathan , Prathima Agrawal
Proceedings of the 4th annual ACM/IEEE international conference on Mobile computing and networking October 1998

8 A generalized processor sharing approach to flow control in integrated   93%
services networks: the multiple node case
Abhay K. Parekh , Robert G. Gallagher
IEEE/ACM Transactions on Networking (TON) April 1994
Volume 2 Issue 2

9 Efficient support of delay and rate guarantees in an internet   91%
L. Georgiadis , R. Guérin , V. Peris , R. Rajan
ACM SIGCOMM Computer Communication Review , Conference proceedings on Applications, technologies, architectures, and protocols for computer communications August 1996
Volume 26 Issue 4
    In this paper, we investigate some issues related to the efficient provision of end-to-end delay guarantees in the context of the Guaranteed (G) Services framework [16]. First, we consider the impact of reshaping traffic within the network on the end-to-end delay, the end-to-end jitter, as well as per-hop buffer requirements. This leads us to examine a class of traffic disciplines that use reshaping at each hop, namely rate-controlled disciplines. In this case, it is known that it is advantageou ...

10 Comments on "a deterministic approach to the end-to-end analysis of   85%
packet flows in connection oriented networks"
Jean-Yves Le Boudec , Gérard Hébuterne
IEEE/ACM Transactions on Networking (TON) February 2000
Volume 8 Issue 1

11 Router plugins: a software architecture for next generation routers   85%

Dan Decasper , Zubin Dittia , Guru Parulkar , Bernhard Plattner
ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '98 conference on Applications, technologies, architectures, and protocols for computer communication October 1998
Volume 28 Issue 4

> Present day routers typically employ monolithic operating systems which are not easily upgradable and extensible. With the rapid rate of protocol development it is becoming increasingly important to dynamically upgrade router software in an incremental fashion. We have designed and implemented a high performance, modular, extended integrated services router software architecture in the NetBSD operating system kernel. This architecture allows code modules, called *plugins*, to be dynamically ...

12 Router plugins: a software architecture for next-generation routers   84%
Dan Decasper , Zubin Dittia , Guru Parulkar , Bernhard Plattner
IEEE/ACM Transactions on Networking (TON) February 2000
Volume 8 Issue 1

13 Hierarchical packet fair queueing algorithms   84%
Jon C. R. Bennett , Hui Zhang
IEEE/ACM Transactions on Networking (TON) October 1997
Volume 5 Issue 5

14 Achieving utility arbitrarily close to the optimal with limited energy   82%
Gang Qu , Miodrag Potkonjak
Proceedings of the 2000 international symposium on Low power electronics and design August 2000

> Energy is one of the limited resources for modern systems, especially the battery-operated devices and personal digital assistants. The backlog in new technologies for more powerful battery is changing the traditional system design philosophies. For example, due to the limitation on battery life, it is more realistic to design for the optimal benefit from limited resource rather than design to meet all the applications' requirement. We consider the following problem: a system achieves a cer ...

15 A wireless fair scheduling algorithm for error-prone wireless channels   80%
P. Lin , B. Bensaou , Q. L. Ding , K. C. Chua
Proceedings of the 3rd ACM international workshop on Wireless mobile multimedia August 2000

> In order to sustain relatively differentiated QoS over time-varying shared wireless medium with location-dependent errors, we propose in this paper a wireless fair scheduling algorithm which tries to both provide short-term fairness in the rate proportional guarantee sense and maintain a reasonable system throughput. Different implementation issues are discussed and performance is compared to alternative approaches found in the literature in which short term fairness is sacrificed for syste ...

16 A unified architecture for the design and evaluation of wireless fair   80%
queueing algorithms
Thyagarajan Nandagopal , Songwu Lu , Vaduvur Bharghavan
Proceedings of the 5th annual ACM/IEEE international conference on Mobile computing and networking August 1999

17 Fair scheduling in wireless packet networks   80%

Songwu Lu , Vaduvur Bharghavan , R. Srikant
IEEE/ACM Transactions on Networking (TON) August 1999
Volume 7 Issue 4

18 An integrated congestion management architecture for Internet hosts   80%

Hari Balakrishnan , Hariharan S. Rahul , Srinivasan Seshan
**ACM SIGCOMM Computer Communication Review , Proceedings of the
conference on Applications, technologies, architectures, and protocols for
computer communication** August 1999
Volume 29 Issue 4
> This paper presents a novel framework for managing network congestion from an
> end-to-end perspective. Our work is motivated by trends in traffic patterns that
> threaten the long-term stability of the Internet. These trends include the use of
> multiple independent concurrent flows by Web applications and the increasing use of
> transport protocols and applications that do not adapt to congestion. We present an
> end-system architecture centered around a Congestion Manager (CM) that ensures
> proper conge ...

19 A model, analysis, and protocol framework for soft state-based   80%

communication
Suchitra Raman , Steven McCanne
**ACM SIGCOMM Computer Communication Review , Proceedings of the
conference on Applications, technologies, architectures, and protocols for
computer communication** August 1999
Volume 29 Issue 4
> "Soft state" is an often cited yet vague concept in network protocol design in which
> two or more network entities intercommunicate in a loosely coupled, often
> anonymous fashion. Researchers often define this concept operationally (if at all)
> rather than analytically: a source of *soft state* transmits periodic "refresh messages"
> over a (lossy) communication channel to one or more receivers that maintain a copy
> of that state, which in turn "expires" if the periodic updates cease. Though a nu ...

20 Hierarchical packet fair queueing algorithms   80%

Jon C. R. Bennett , Hui Zhang
**ACM SIGCOMM Computer Communication Review , Conference proceedings on
Applications, technologies, architectures, and protocols for computer
communications** August 1996
Volume 26 Issue 4
> Hierarchical Packet Fair Queueing (H-PFQ) algorithms have the potential to
> simultaneously support guaranteed real-time service, rate-adaptive best-effort, and
> controlled link-sharing service. In this paper, we design practical H-PFQ algorithms
> by using one-level Packet Fair Queueing (PFQ) servers as basic building blocks, and
> develop techniques to analyze delay and fairness properties of the resulted H-PFQ
> servers. We demonstrate that, in order to provide tight delay bounds in a H-PFQ
> server, it ...

Results 1 - 20 of 29   short listing

**Prev
Page** 1   2 **Next
Page**

Inc.